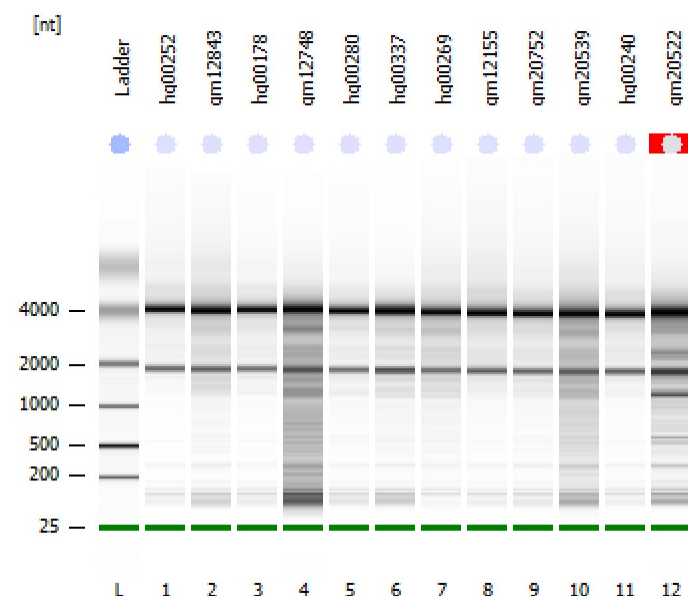


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-18\_09-01-17.xad

Created: 10/18/2011 9:01:16 AM  
Modified: 10/18/2011 9:24:21 AM

**Electrophoresis File Run Summary****Instrument Information:**

Instrument Name: DE04105537  
Serial#: DE04105537

Firmware: C.01.069  
Type: G2938C

**Assay Information:**

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

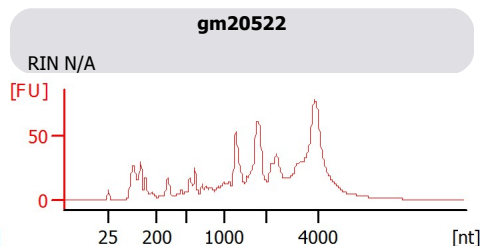
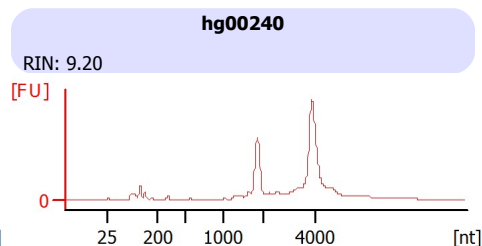
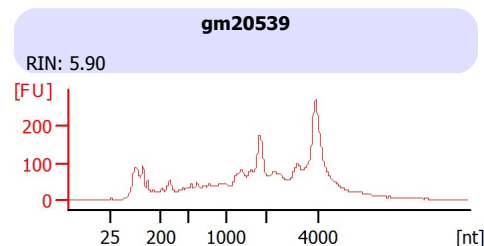
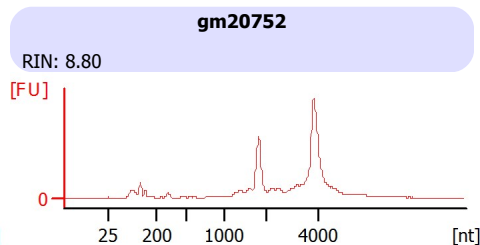
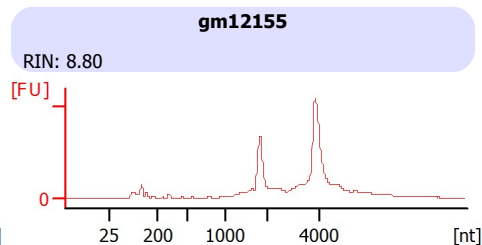
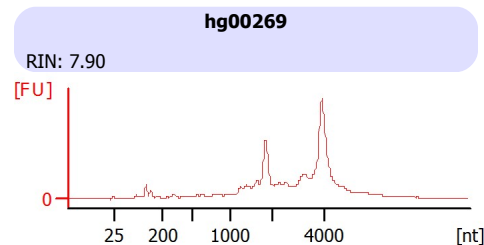
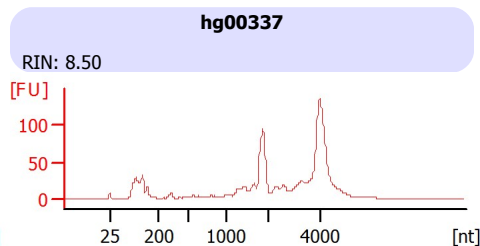
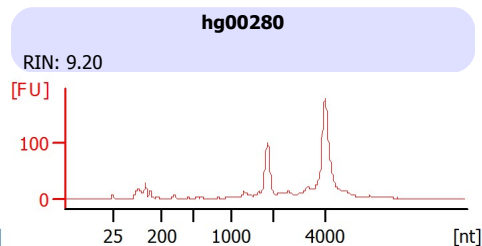
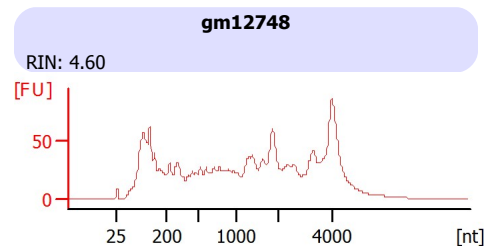
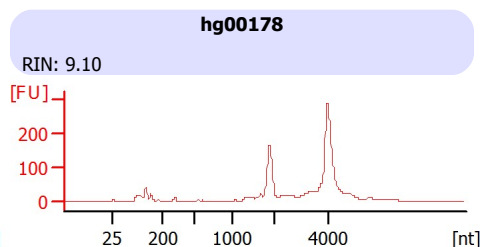
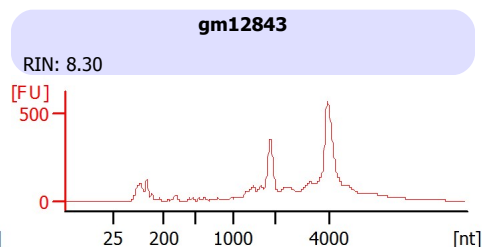
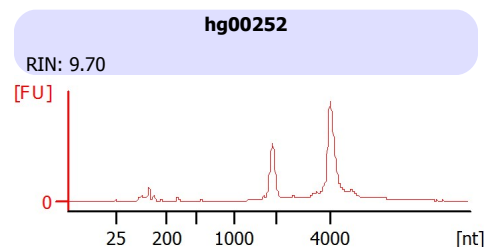
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**Chip Information:**

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-18\_09-01-17.xad

Created: 10/18/2011 9:01:16 AM  
Modified: 10/18/2011 9:24:21 AM

**Electrophoresis File Run Summary (Chip Summary)**

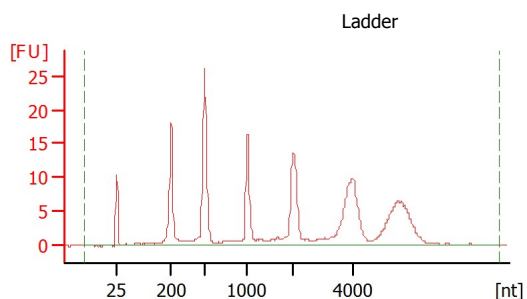
Sample Name	Sample Comment	Status	Result Label	Result Color
hg00252		✓	RIN: 9.70	
gm12843		✓	RIN: 8.30	
hg00178		✓	RIN: 9.10	
gm12748		✓	RIN: 4.60	
hg00280		✓	RIN: 9.20	
hg00337		✓	RIN: 8.50	
hg00269		✓	RIN: 7.90	
gm12155		✓	RIN: 8.80	
gm20752		✓	RIN: 8.80	
gm20539		✓	RIN: 5.90	
hg00240		✓	RIN: 9.20	
gm20522		✓	RIN N/A	
Ladder		✓	All Other Samples	

**Chip Lot #****Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-18\_09-01-17.xad

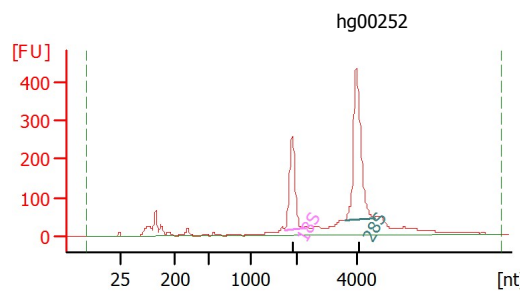
Created: 10/18/2011 9:01:16 AM  
 Modified: 10/18/2011 9:24:21 AM

### Electropherogram Summary



#### Overall Results for Ladder

RNA Area: 231.1  
 RNA Concentration: 150 ng/μl  
 Result Flagging Color:    
 Result Flagging Label: All Other Samples

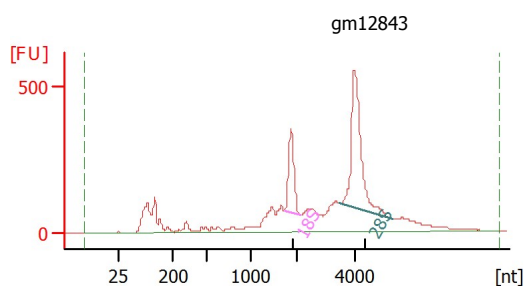


#### Overall Results for sample 1 : hg00252

RNA Area: 2,506.6  
 RNA Concentration: 1,627 ng/μl  
 rRNA Ratio [28s / 18s]: 1.8  
 RNA Integrity Number (RIN): 9.7 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.70

#### Fragment table for sample 1 : hg00252

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,736	2,173	433.9	17.3
28S	3,624	4,648	778.0	31.0

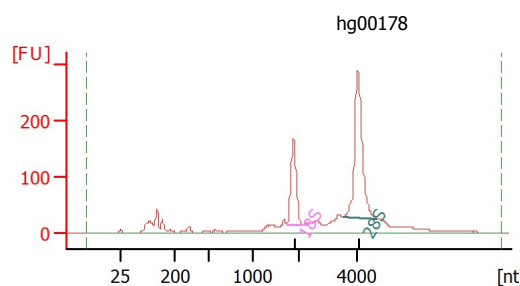


#### Overall Results for sample 2 : gm12843

RNA Area: 5,536.3  
 RNA Concentration: 3,593 ng/μl  
 rRNA Ratio [28s / 18s]: 2.5  
 RNA Integrity Number (RIN): 8.3 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 8.30

#### Fragment table for sample 2 : gm12843

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,730	2,118	495.0	8.9
28S	3,450	5,249	1,229.1	22.2



#### Overall Results for sample 3 : hg00178

RNA Area: 1,783.3  
 RNA Concentration: 1,157 ng/μl  
 rRNA Ratio [28s / 18s]: 2.0  
 RNA Integrity Number (RIN): 9.1 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.10

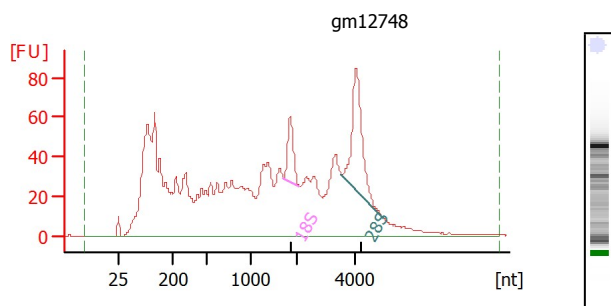
#### Fragment table for sample 3 : hg00178

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,739	2,161	262.6	14.7
28S	3,521	4,625	523.1	29.3

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-18\_09-01-17.xad

Created: 10/18/2011 9:01:16 AM  
 Modified: 10/18/2011 9:24:21 AM

### Electropherogram Summary Continued ...

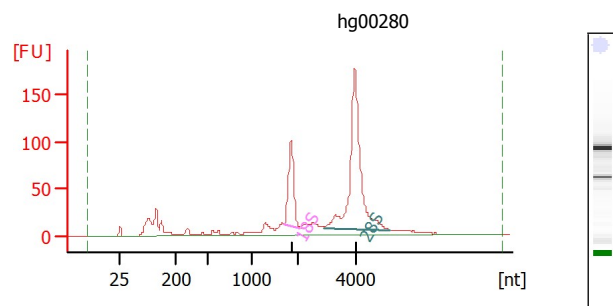


#### Overall Results for sample 4 : gm12748

RNA Area: 2,361.1  
 RNA Concentration: 1,532 ng/μl  
 rRNA Ratio [28s / 18s]: 2.8  
 RNA Integrity Number (RIN): 4.6 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 4.60

#### Fragment table for sample 4 : gm12748

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,721	2,062	58.8	2.5
28S	3,492	4,923	165.6	7.0

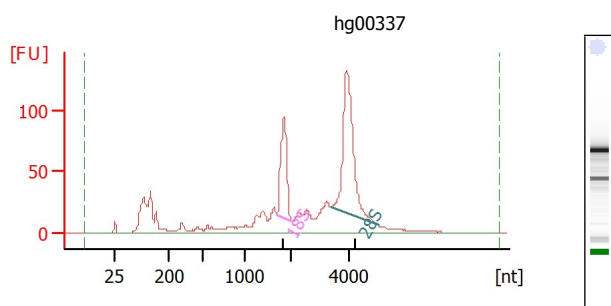


#### Overall Results for sample 5 : hg00280

RNA Area: 1,182.1  
 RNA Concentration: 767 ng/μl  
 rRNA Ratio [28s / 18s]: 2.9  
 RNA Integrity Number (RIN): 9.2 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.20

#### Fragment table for sample 5 : hg00280

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,707	2,101	156.1	13.2
28S	2,899	5,151	459.4	38.9

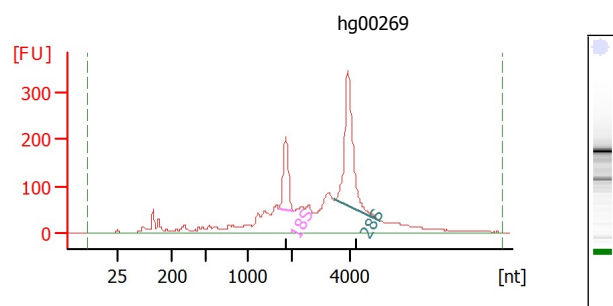


#### Overall Results for sample 6 : hg00337

RNA Area: 1,307.9  
 RNA Concentration: 849 ng/μl  
 rRNA Ratio [28s / 18s]: 2.1  
 RNA Integrity Number (RIN): 8.5 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 8.50

#### Fragment table for sample 6 : hg00337

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,709	2,051	153.8	11.8
28S	3,392	5,020	324.6	24.8



#### Overall Results for sample 7 : hg00269

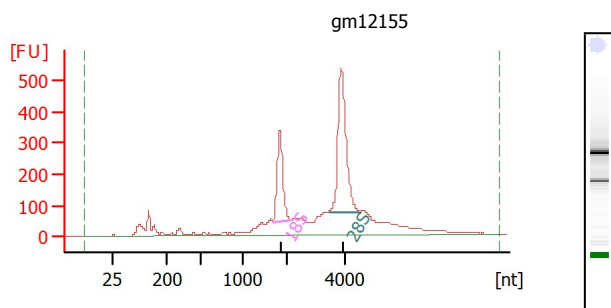
RNA Area: 3,278.1  
 RNA Concentration: 2,128 ng/μl  
 rRNA Ratio [28s / 18s]: 2.6  
 RNA Integrity Number (RIN): 7.9 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 7.90

#### Fragment table for sample 7 : hg00269

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,707	2,079	256.7	7.8
28S	3,436	5,025	667.8	20.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-18\_09-01-17.xad

Created: 10/18/2011 9:01:16 AM  
Modified: 10/18/2011 9:24:21 AM

**Electropherogram Summary Continued ...****Overall Results for sample 8 : gm12155**

RNA Area: 4,283.1  
RNA Concentration: 2,780 ng/μl  
rRNA Ratio [28s / 18s]: 2.0  
RNA Integrity Number (RIN): 8.8 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 8.80

**Fragment table for sample 8 : gm12155**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,684	2,133	526.6	12.3
28S	3,427	4,503	1,035.6	24.2